



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

Livestock Facility Inspection Checklist

GENERAL INFORMATION									
TYPE OF INSPECTION: <input checked="" type="checkbox"/> CAFO <input type="checkbox"/> COMPLAINT <input type="checkbox"/> RECONNAISSANCE <input type="checkbox"/> ERU FOLLOW UP <input type="checkbox"/> OPERATOR REQUEST <input type="checkbox"/> OTHER									
FACILITY NAME (LLC, Inc., Corp, Partnership, sole proprietorship, etc.) VB Family Farms Glen Von Bokel						INSPECTION DATE 12-20-12		ARRIVAL TIME 8:45AM	
ADDRESS 17110 Dierkes Road						INSPECTOR(s) Brian Rodely		DEPARTURE TIME 10:15AM	
CITY Carlyle				STATE IL		ZIP CODE 62231		ACCOMPANIED BY (if applicable) Bruce Rodely	
COUNTY Clinton		SECTION 25	TOWNSHIP 3N	RANGE 3W	POLITICAL TOWNSHIP Wheatfield		TEMPERATURE 46F	PRECIPITATION TYPE 2" last 24	
Facility Owner(s): <small>Exemption 6 and Exemption 7(C)</small>		NAME Glen Von Bokel				CONTACTED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		PHONE Exemption 6 and Exemption 7(C)	MOBILE
		ADDRESS			CITY		STATE	ZIP CODE	
		NAME				CONTACTED <input type="checkbox"/> YES <input type="checkbox"/> NO		PHONE	MOBILE
		ADDRESS			CITY		STATE	ZIP CODE	
Facility Operator(s): <small>Exemption 6 and Exemption 7(C)</small>		NAME				CONTACTED <input type="checkbox"/> YES <input type="checkbox"/> NO		PHONE	MOBILE
		ADDRESS			CITY		STATE	ZIP CODE	
		NAME				CONTACTED <input type="checkbox"/> YES <input type="checkbox"/> NO		PHONE	MOBILE
		ADDRESS			CITY		STATE	ZIP CODE	
NPDES PERMIT INFORMATION (If no NPDES Permit, skip this section)									
1. What type of NPDES permit has been issued? <input type="checkbox"/> Individual NPDES Permit <input type="checkbox"/> General NPDES Permit								NPDES #	
2. What date was the NPDES permit issued?									
3. What date does the NPDES permit expire?									
4. Is a copy of the NPDES permit onsite?								<input type="checkbox"/> YES	<input type="checkbox"/> NO
5. Permitted number of animals (no. & specie)?									
6. Does the NPDES Permit contain a compliance schedule?								<input type="checkbox"/> YES	<input type="checkbox"/> NO
7. Have there been any changes made to the production area since the permit was issued?								<input type="checkbox"/> YES	<input type="checkbox"/> NO
If "YES", provide a detailed description of those changes. None									

LAND APPLICATION/NUTRIENT MANAGEMENT		
1. How many TOTAL acres are available for land application? <u>843</u> acres		
2. How many acres are READILY available for land application at the time of inspection? <u>443</u> acres		
3. Estimated annual quantities of liquid waste <u>209000</u> gallons		
4. Estimated annual quantities of solid waste <u>10</u> tons		
5. Does the facility have a contractor perform land application? If "YES", Name of Contractor: <u>Harke or Metro Ag</u>	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
6. What type of land application equipment is available to the facility? <input checked="" type="checkbox"/> Umbilical Injection <input checked="" type="checkbox"/> Honeywagon Injection <input type="checkbox"/> Honeywagon Surface <input type="checkbox"/> Irrigation <input type="checkbox"/> Rotational Gun <input type="checkbox"/> Manure Spreader <input type="checkbox"/> Vegetative Filter <input type="checkbox"/> Other _____		
7. Does the facility calibrate the land application equipment? If "YES", What method is used? Manufacturer Recommendations	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
8. Does the facility land apply within the 150 foot setback from any water well? If "YES", Explain	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
9. Does the facility land apply within the 200 foot setback from any surface water? If "YES", Explain	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
10. Does the facility land apply near any residences? If "YES", Explain Neighbor to field.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
11. Is livestock waste transferred off-site to another party? If "YES", Are records of manure transfers kept? If "YES", Ask to see records	<input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <input type="checkbox"/> NO
12. Does the facility have a current NMP or CNMP? If "YES", Does the facility maintain a copy of the nutrient management plan (NMP) onsite?	<input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO <input type="checkbox"/> NO
13. Does the NMP reflect the current operational characteristics (number of animals, cropping, etc.)?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
14. Are the number of acres owned/leased consistent with those in the NMP?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
15. Is manure and wastewater being applied in accordance with setback/buffer requirements of the NMP?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
16. Are all of the records identified in the NMP being maintained and kept current?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
17. Are records being maintained at the required frequency?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
18. Are records being maintained onsite for the period required by NMP and/or NPDES permit?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
19. Is the NMP adequately addressing the storage, handling and application of manure and wastewater to prevent discharges to waters of the U.S.?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

LIVESTOCK FACILITY DESCRIPTION

Type of Animals	Number of Animals (currently)	Animal Capacity	Type of Confinement	Number of Structures
DAIRY MILKING	325	450	TOTAL CONFINEMENT BDG	4
DAIRY DRY	90	Unknow	OPEN CONCRETE FEEDLOT	1
CALVES	30	50	OTHER (Specify) Calf Huts	50

Does the facility have an Illinois Certified Livestock Manager (300 or greater animal units)? ☐ N/A ☐ YES ☒ NO

If greater than 1000 animal units but less than 5000 animal units, does the facility have a waste management plan? ☒ N/A ☐ YES ☐ NO

If greater than 5000 animal units, has the facility submitted a waste management plan to IDOA for review? ☒ N/A ☐ YES ☐ NO

Does the facility have any other locations under common ownership, or where equipment and/or manure is shared, or where the other site shares land application sites? If so, put names and addresses below. ☐ YES ☒ NO

None

LIVESTOCK WASTE STORAGE

- Does the facility have any existing livestock waste containment system? ☒ YES ☐ NO
If NO, then proceed to question 10.
- General description of the waste containment system (include solid and liquid manure handling, mortality, and feed storage areas).
Settling basin, gravity overflow to stage 2, then to stage 3. Buried or rendered mortalities.

Type of Storage	Total Storage Capacity (Specify Units)
<input type="checkbox"/> Anaerobic Lagoon	
<input type="checkbox"/> Covered Lagoon	
<input checked="" type="checkbox"/> Holding Pond	1st104X100X15 & 2nd205X265X20(1.1 & 8.1 million gal.)
<input type="checkbox"/> Above Ground Storage Tank ("Slurrystore")	
<input type="checkbox"/> Below Ground Storage Tank	
<input checked="" type="checkbox"/> Settling Basin	118X100X4 (0.35 million gallons)
<input type="checkbox"/> Roofed Storage Shed	
<input type="checkbox"/> Concrete Pad	
<input type="checkbox"/> Impervious Soil Pad	
<input type="checkbox"/> Underfloor Pits	
<input type="checkbox"/> Anaerobic Digester	
<input type="checkbox"/> Manure Stacks	
<input type="checkbox"/> Vegetative Filter	
<input type="checkbox"/> Other _____	
<input type="checkbox"/> None	

3. Do the storage structures have depth markers or staff gauges? ☒ YES ☐ NO

4. Are levels of manure in the storage structures recorded and records kept? ☐ YES ☒ NO

5. Do the storage structures have adequate freeboard? ☐ YES ☒ NO

6. Estimated final stage storage structure freeboard **40** in. of total depth **240** in.

7. Do facility personnel perform routine visual inspections of the storage structures? ☒ YES ☐ NO

8. Are the routine visual inspections documented? ☐ YES ☒ NO

9. Does the system have an outfall or discharge point? ☐ YES ☒ NO

If "YES", please provide a description (overflow pipe, spill way, etc. Include a description the area receiving the discharge).

None

10. Are there any portions of the production area where runoff is not controlled? ☒ YES ☐ NO

If "YES", provide a detailed description of the area(s) of concern:

Silage bunker draining out of the northwest corner (see photo pages).

MORTALITIES MANAGEMENT

1. How are mortalities managed? (Composted, buried, burned, rendering service, other)

Rendered or buried.

2. Are mortalities documented and are records kept? ☒ YES ☐ NO

FACILITY WATER SOURCES

1. What type of method is used to provide drinking water for the animals?
☐ Overflow waters ☐ Tip Tanks ☐ Nipple waters ☒ Water Bowls ☐ Other _____
2. How is the water for animals obtained?
☒ Community PWS ☐ On-Site Well ☒ On-Site Impoundment ☐ Other _____
3. Is a mist cooling system used? ☒ YES ☐ NO
How is mist water contained?
Collection Basin.

DAIRY OPERATION (If No Dairy, skip this section)

1. How many times per day are cows milked? 2
2. Describe how the dairy's non-contact cooling water is contained (Example: it is reused for drinking water for the animals).
Used for drinking water.
3. Describe how the milking parlor is cleaned (hose or flush) and where the process wastewater goes and how it is contained.
Manually hosed to the collection basin.
4. Describe how the tank(s) are washed and where the process wastewater goes and how it is contained.
Automatically washed to the collection basin.
5. Describe where process wastewater from the plate cooler goes and how it is contained.
Drinking water.

BEDDING (If No Bedding, skip this section)

1. Describe what type of bedding is used for the animals.
Sand.
2. Describe how bedding is collected and how often.
Attrition by animal foot traffic.
3. What is done with the used bedding? ☐ Reused ☒ Land Applied

MANURE COLLECTION

1. How is manure collected?
- ☐ Under Floor Pit
- ☐ Scraped: ☐ Automatic ☒ Manual
- ☐ Flush
- ☐ Solids Separator
- ☐ Other: _____
- ☐ None
2. If manure collection system uses either clean or reused water to flush, describe where this water goes and how it is contained.
- None**

FEED STORAGE CONTAINMENT

1. Describe how feed (silage, hay, etc) is contained.
- ☐ Bulk Bins
- ☒ Silage Pit
- ☐ Ag Bags
- ☐ Hay: ☐ Barn ☐ Outdoor
- ☒ Other: **Silage Bags**
2. Describe how feed (silage, hay, etc) runoff is contained.
- ☐ Not Applicable – Feed totally enclosed
- ☐ Other: _____
- ☒ None

RECEIVING SURFACE WATERS

1. Provide a description of the flow path from the facility to the nearest named surface water.

Unnamed tributary and overland flow 1/2 mile northwest to Flat Branch.

2. What is the name of the receiving stream?

Unnamed tributary.

3. Status of the named surface water: ☒ Intermittent ☐ Perennial

4. Are any unnatural bottom deposits observed in the receiving stream: ☐ YES ☒ NO

If "YES", provide a description of the deposits: **None**

DISCHARGES

1. Have there been any documented discharges of livestock waste to surface water <i>in the past year</i> ? If "NO" proceed to question 2.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
a. If "YES", specify the date(s). <u>5/01/12</u>		
b. What was the reason for the discharge? Lack of containment for feedlot and both ends of the silage bunker.		
c. Was the discharge the result of a 25 year-24 hour rainfall event?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
d. What was the precipitation amount? <i>(if applicable)</i>		
e. Was IEMA notified of the discharge?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
f. Has the facility taken corrective action to remedy the situation which caused the discharge(s)?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
If "YES", describe actions taken: The south end of the silage bunker and eastern feedlot is diverted to a grating that drains to the waste storage system. Part of the south end of the eastern feedlot is also discontinued. Grading has been completed for a new barn in effort to discontinue eastern feeding operation.		
2. Is the facility currently discharging livestock waste from the production area? If "NO" proceed to next section.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
a. Was the discharge the result of a 25 year-24 hour rainfall event?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
b. What was the precipitation amount? <i>(if applicable)</i>		
c. What is the reason for the discharge? Uncontrolled silage leachate from the northwest end of the silage bunker.		
d. Were water quality samples taken?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
e. If "YES", how many? <u>N/A</u>		
f. What parameter(s) tested? <input type="checkbox"/> pH <input type="checkbox"/> Ammonia <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Phosphorus <input type="checkbox"/> BOD ₅ <input type="checkbox"/> Total Susp Solids <input type="checkbox"/> Fecal <input type="checkbox"/> Diss O ₂ <input type="checkbox"/> Other _____		

BIOSECURITY – Inspection Activities

1. Were biosecurity measures discussed with the facility prior to inspection?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
2. Has there been 24-hours downtime between inspections for all IEPA personnel present?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
3. Was the order of inspection conducted from high risk to low risk?	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. Did all personnel stay outside livestock management and livestock waste handling facilities as defined in 35 IAC 501.285 and 35 IAC 501.300? If "YES" skip to question 7.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

BIOSECURITY – Personal Protection Equipment

5. Was sanitary footwear donned prior to entering the livestock management/waste handling facility(s)?	<input type="checkbox"/> N/A Did not Enter	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
6. Were disposable coveralls donned prior to entering the livestock management/waste handling facility(s)?	<input checked="" type="checkbox"/> N/A Did not Enter	<input type="checkbox"/> YES	<input type="checkbox"/> NO
7. Was sanitary footwear used during the inspection?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	
8. Was disposable sanitary outerwear disposed at the facility?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	

BIOSECURITY – Vehicle

9. Was the vehicle parking location discussed with the facility prior to inspection?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
10. Was the vehicle washed since the inspection prior to current? If "YES" skip to question 12.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
11. Was the vehicle parked >300-feet from the livestock management/waste handling facility? Explain where vehicle was parked:	<input type="checkbox"/> N/A	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
12. Was IEPA vehicle used on site?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
13. Was facility vehicle used on site?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

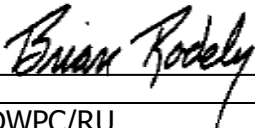
BIOSECURITY – Inspection Equipment

14. Was all equipment wiped down with anti-bacterial wipes?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
15. Was sample cooler kept inside vehicle during inspection? If "YES" skip question 16.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
16. Was sample cooler wiped down with antibacterial wipes before placing back into vehicle?	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> YES <input type="checkbox"/> NO

OTHER COMMENTS/NOTES

See attached photo pages concerning the discussion to follow. We met with VonBokel in the gravel parking area he directed us to park and completed the Livestock Facility Inspection Checklist. We toured the facility observing the silage bunker, silage bags, feedlots, waste handling system, and the site prepared for a new barn. Silage leachate was noted discharging out of the north west corner of the silage bunker, running south along the silage bags, and reporting to the ditch where a sample was previously taken on 5/01/12. The ditch drains southwesterly to an unnamed tributary that discharges to an unnamed tributary to Flat Branch. Diversions have been implemented on the south end of the silage bunker to direct leachate to a grating that reports to the waste handling system. No other discharges were noted at the time of inspection. No samples were taken due to lab scheduling.

VonBokel was advised to contain the silage leachate out of the north end of the silage bunker. VonBokel indicated that he thought the only thing anyone was worried about was the leachate from the south end. I told VonBokel that the VN letter had recommendations to contain the silage leachate from all silage storage and he may want to consider a reception pit designed to deliver the leachate to the waste handling system. VonBokel indicated that he would work on a containment system for the silage leachate.

Check all attachments: ☐ Narrative ☒ Photos ☒ Site Plan ☐ Sample Results**INSPECTOR'S SIGNATURE****REPORT DATE****12/28/12**